



The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at ***wvOASIS.gov***. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at ***WVPurchasing.gov*** with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Header @ 2

General Information

Contact

Default Values

Discount

Document Information

Procurement Folder: 329332

Procurement Type: Central Purchase Order

Vendor ID: 000000230651

Legal Name: BRUKER AXS HANDHELD INC

Alias/DBA:

Total Bid: \$47,945.00

Response Date: 07/24/2017

Response Time: 17:27

SO Doc Code: CRFQ

SO Dept: 0306

SO Doc ID: GEO1800000001

Published Date: 7/18/17

Close Date: 7/25/17

Close Time: 13:30

Status: Closed

Solicitation Description: RFQ FOR PORTABLE X-RAY
FLUORESCENCE (XRF)

Total of Header Attachments: 2

Total of All Attachments: 2

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	PORTABLE X-RAY FLUORESCENCE (XRF)	1.00000	EA	\$47,945.000000	\$47,945.00

Comm Code	Manufacturer	Specification	Model #
41100000			

Extended Description : PORTABLE X-RAY FLUORESCENCE (XRF) SPECTROMETER

Comments: See attached detailed quotation and brochure.
If Sc required, then Sc LOD in REE matrix:
500ppm



Account Name	Geological & Economic Survey	Created Date	7/24/2017
Quote Number	00004578	Expiration Date	8/24/2017
Contact Name	Melissa Pettrey	Sales Rep	Michael Sparagna
Phone	(304) 558-0094	Sales Rep Ph#	724.456.0866
Email	melissa.k.pettrey@wv.gov	Sales Rep Email	Michael@MANIFEST-Technical.com
Bill To Name	Geological & Economic Survey	Ship To Name	Geological & Economic Survey
Bill To	1 Mont Chateau Rd Morgantown, WV 26508 USA		
Industries	Academic and Gov't Research: Materials Science		
Applications	2. Art / Archeology / Conservation		

TRACER 5i Specifications:

- Rhodium (Rh) thin window X-ray tube 4W based 50 kV battery operated handheld XRF analyzer
- Wide range X-ray generator with selectable 6-50kV with 5-200µA current; 4 watt output
- Capable of air, helium or vacuum beam path
- Pressure and temperature compensation
- Automated 5 position primary beam Filter changer with 4 pre-fitted filters (yellow, red, green, aluminum)
- Manual insertion filter/secondary target slot for factory or user-made filters
- Small accessory Pelican case, includes the following: hex wrench, blue and empty filter holder.
 - Can be used to store optionally purchased accessories such as filter punch, extra collimators, manual filters and vacuum pen
- Selectable spot sizes include 8 and 3 mm spot size collimators
- Proprietary 40mm² silicon drift detector with <140 eV @ 250,000 cps Mn K, elemental range Na - U
- Features the patented SharpBeam™ optical beam path for best performance at lowest power settings
- Internal VGA CCD Camera with adjustable lighting, focal point and reticle; store up to 5 photos per assay
- High performance and contrast daylight visible TFT LCD 3.7" touchscreen display
- TRACER 5i OS embedded SW with multilingual support
- Measurement and testing modes include:
 - Spectrometer Mode
 - Precious Metals Calibration
- Wi-Fi, Bluetooth™ and USB connectivity; USB cable and memory stick
- Portable Wi-Fi router
- Includes 2 high performance Li-Ion batteries with ventilated smart charger and AC adaptor
- Bruker Instruments Tools, EasyCal™ and Artax™ PC software programs
- 5 spare clear in-air windows; 5 spare gridded vacuum windows
- EasyAccess™ rail and Relaxed Grip Strap™
- Extensive manuals and safety video
- Carry-on PELICAN™ transport case
- Weight 1.9 kg (4.1 lbs) with battery

Product Code	Product	Product Description	Sales Price	Quantity	Discount	Total Price
Tracer 5i	Tracer 5i	TRACER 5i SD, 4W HXRFX; embedded OS; 5-filter wheel; manual filter slot; air/He(g)/vacuum capable; Spectrometer mode; Wi-Fi, BlueTooth, USB; EasyAccess™ Rail; Relaxed Grip Strap™; BIT, EasyCal™, ARTAX™ SW	\$38,500.00	1.00	10.00%	\$34,650.00
040.0050	1-yr Extended Warranty,	1-yr Extended Warranty, Tracer	\$4,000.00	1.00		\$4,000.00



	Tracer					
730.0024	Calibration modification	Calibration, Customization of existing standard calibration using customer samples	\$4,000.00	1.00		\$4,000.00
730.0187	GeoExploration Application Package	Mutliphase application optimized for Geochemical exploration with automated and user selectable calibrations for oxide and sulfide matrices. Ability to measure thru bags, powders. Includes powdered check sample	\$3,500.00	1.00	10.00%	\$3,150.00
040.0154	Installation and Training 1 day	BASIC user training 1 day for Safety and Operation of S1 TITAN,TRACER using respective standard applications and provided SW, (Does not include travel and lodging)	\$2,000.00	1.00		\$2,000.00
200.0087	TRACER 5i clear non-vacuum window	Clear window for TRACER 5i with no grid; for non-vacuum measurements; set of 5	\$50.00	1.00	10.00%	\$45.00

Subtotal	\$52,050.00
Discount	8.08%
Total Price	\$47,845.00
Shipping and Handling	\$100.00
Grand Total	\$47,945.00

Note This quote includes Bruker's standard 1 year warranty.

Payment terms are net 30 *pending credit approval*

Prices

All prices are in US Dollars. Quoted prices do not include federal, state or local excise, sales, use or similar taxes. Accordingly, in addition to the prices specified on the Quotation, the amount of any applicable excise, sales, use and/or similar taxes will appear as separate items on the invoice and will be paid by Buyer unless prior to shipment Seller receives an appropriate tax exemption certificate from Buyer.

Scope

This offer contains all agreements and is in lieu of all other oral agreements, guarantees, promises, representations or warranties expressed or implied. This quotation supersedes all preceding quotations.

Payment

Prepayment unless otherwise noted above.

Please make Purchase Order to:

Bruker AXS Handheld, Inc.

415 N Quay, Suite 1

Kennewick, WA 99336

Attn: Sales Dept

FAX# 509-735-9696

Email: orders.hmp@bruker.com

Validity

Quote valid for 30 days from date of issue unless otherwise noted.

All specifications are subject to change without prior notification.

Shipment / Delivery

All Prices FCA, factory, Kennewick, WA USA

Normal equipment delivery is 4-6 weeks after receipt of order, unless otherwise stated.

Quicker deliveries are sometimes available.

Conditional Sale

All goods remain property of Bruker until full payment has been received.

Regulatory Approval

Bruker AXS Handheld, Inc.
415 N. Quay Street
Kennewick, WA 99336



Buyer is responsible for maintaining its authorization for use of the instruments in necessary jurisdictions.

Warranty

The warranty period for this quote starts from date of invoice not date of shipment, if different.

Bruker reserves the right to apply modifications to technical details that reflect the technological progress or increase the operational safety of the instrument.

IMPORTANT NOTICE: This document contains information that is confidential and/or subject to legal privileges. Any review, printing, copying, retention, disclosure, distribution or use of this document is strictly prohibited.

This quote is subject to Bruker AXS Handheld Inc. Standard Terms and Conditions (www.bruker.com/hmp-terms).

W-9 form: www.bruker.com/hmp-w9



New! **TRACER 5ⁱ**

- Portable X-ray Fluorescence Analyzer

Bruker introduces the Next Generation TRACER handheld XRF elemental analyzer system. The new TRACER 5ⁱ is reconfigured to be more powerful, flexible and fully field interactive, while retaining the unique features and comprehensive analytical software that the TRACER is recognized for.

Bruker's new TRACER 5ⁱ synchronizes power, function, precision and accuracy to provide dynamic, field capable elemental analysis from everyday point-and-shoot testing to the ever-changing challenges and complexities of advanced applications and research.

The new TRACER 5ⁱ retains the trademark ability to use an air, vacuum or helium beam path and to interactively control power, filters, collimators and atmosphere, along with comprehensive data analysis capabilities to provide the ultimate in on-site interaction for faster analysis at lower LODs— especially for light elements like sodium. The new analytical software preserves the TRACER's comprehensive analytical software features for complex materials, but has a more streamlined workflow and additionally incorporates EasyCal software to provide simple correlation fits for standard materials.

● The New TRACER 5ⁱ

Powerful, Flexible & Interactive

Handheld X-ray Fluorescence Analyzer



Rh thin window X-ray tube

Proprietary large area SDD

SharpBeam™ optimization

3 or 8 mm spot size

Internal VGA CMOS camera

Manual filter slot **AND**
Internal 5-position filter wheel

Interactive touch screen

Wi-Fi . Bluetooth . USB

Vacuum / helium port

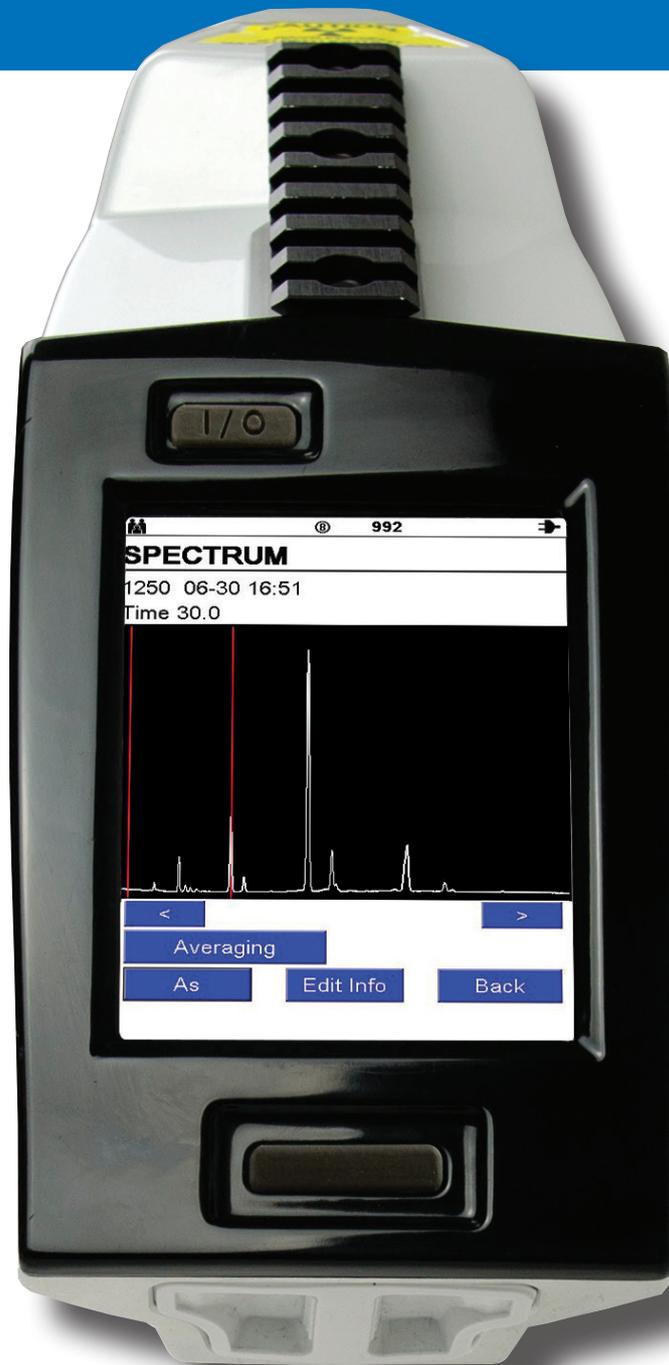
TrueTouch™ trigger switch

EasyAccess™ rail mount

Pressure / temperature
compensation

Relaxed handgrip strap

• The New TRACER 5ⁱ



Bruker's new TRACER 5ⁱ system software:

From simple point-and-shoot testing to comprehensive analysis

EasyCal

- Single or multi-element spectral analysis
- Empirical matrix correction
- User generated correlations
- Transfer to TRACER 5ⁱ O/S
- Report generator

Point-and-Shoot

- Standard, customized or user-generated
 - Y/N, P/F, ID
 - Composition
 - Live spectral ID

ARTAX

- Comprehensive interactive live analysis
- Compare multiple spectra or values
- Full spectrum or region of interest
- Bayesian inference . Deconvolution
- Empirical . Compton . FP

● Specifications

FEATURES	SPECIFICATIONS
Dimensions	27.3 cm x 9.4 cm x 29.5 cm (10.75 in x 3.7 in x 11.6 in) L x W x H
Weight	1.9 kg (4.1 lbs) with battery or 1.6 kg (3.6 lbs) without battery
Power	Li-Ion battery and charger; AC adapter
Excitation source	Rhodium (Rh) thin window X-ray tube; wide range X-ray generator 6-50kV with 4.5-195µA, max 4 Watt output; adjustable automated X-ray voltage and current for specialized application optimization
Collimation	Selectable collimation includes 3 and 8 mm spot sizes
Filters	Selectable automated internal 5 position primary beam filter changer wheel with pre-installed filters; manual insertion filter/secondary target slot for factory or user-made filters; two manual filter holders
Detector	Proprietary 40mm ² silicon drift detector with < 140 eV @ 250,000 cps Mn Kα; resolution for optimum light element analysis
Geometry	Features patented SharpBeam™ beam path for best performance at low power
Beam path	Capable of selectable beam path of vacuum, helium or air to detect elements as light as Fluorine (F) to as heavy as uranium (U)
Internal camera	Internal VGA CMOS camera with ability to store up to 5 photos per assay
Interactive touchscreen	High performance and contrast daylight visible TFT LCD 3.7 in touchscreen display
Convenience	TrueTouch trigger switch, relaxed ambidextrous handgrip strap and EasyAccess rail mount for accessories
Control software	Full control OS on analyzer and on PC software
Analysis software	Point-and-shoot and live spectra on analyzer; point-and-shoot, live spectra and full qualitative, semi-quantitative and quantitative software on PC
Data storage & transfer	Data storage card, I/O ports, Wi-Fi and Bluetooth connectivity to save and transmit data from the field
Operating range	-10°C to +50°C (+14°F to 122°F)
Certification	CE, cTÜVus, FCC part 15

● Contact Us

www.bruker.com/tracer

Americas / Asia / Rest of World

Bruker
 Kennewick, WA · USA
 Tel. +1 (509) 736-2999
sales.hmp@bruker.com

Europe / Middle East / Africa

Bruker
 Berlin · Germany
 Tel. +49 30 670990-11
sales.hmp@bruker.com